

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1           1. (Currently Amended) A method for providing a user with a private mobile communication  
2           service when a mobile communication terminal enters a private mobile communication network  
3           being interoperable with a public mobile communication network, comprising the steps of:

4                 upon receiving a system parameter message being broadcast by the private mobile  
5           communication system, checking by the mobile communication terminal, a predetermined bit for  
6           indicating the private mobile communication service area contained in the system parameter  
7           message;

8                 when the mobile communication terminal exists in the private mobile communication service  
9           area, transmitting a location registration message including a predetermined registration type to the  
10          private mobile communication system;

11                receiving a message including a private mobile communication service associated command  
12          by the mobile communication terminal from the private mobile communication system according  
13          to registration result information of the private mobile communication system; and

14                performing, by the mobile communication terminal, a command contained in the received  
15          message.

1           2. (Currently Amended) A method for providing a user with a private mobile communication  
2 service when a mobile communication terminal enters a private mobile communication network  
3 being interoperable with a public mobile communication network, comprising the steps of:  
4           upon receiving a system parameter message being broadcast by the private mobile  
5 communication system, checking a predetermined bit for indicating the private mobile  
6 communication service area contained in the system parameter message;  
7           when the mobile communication terminal exists in the private mobile communication service  
8 area, transmitting a location registration message including a predetermined registration type to the  
9 private mobile communication system;  
10           receiving a message including a private mobile communication service associated command  
11 from the private mobile communication system according to registration result information of the  
12 private mobile communication system; and  
13           performing a command contained in the received message.  
14       The method as set forth in claim 1, wherein the message including the private mobile communication  
15 service associated command is a feature notification message including a predetermined field used  
16 for indicating the private mobile communication service possible state.

Claim 3. (Cancelled)

1           4. (Currently Amended) A method for providing a user with the private mobile  
2 communication service when a mobile communication terminal enters a private mobile  
3 communication network being interoperable with a public mobile communication network,  
4 comprising the steps of:

5           upon receiving a system parameter message being broadcast by the private mobile  
6 communication system, checking a predetermined bit for indicating the private mobile  
7 communication service area contained in the system parameter message;

8           when the mobile communication terminal exists in the private mobile communication service  
9 area, transmitting a location registration message including a predetermined registration type to the  
10 private mobile communication system by the mobile communication terminal ;

11           receiving a message including the private mobile communication service associated  
12 command from the private mobile communication system; and

13           performing a command contained in the received message by the mobile communication  
14 terminal .

1           5. (Currently Amended) A method for providing a user with the private mobile  
2 communication service when a mobile communication terminal enters a private mobile  
3 communication network being interoperable with a public mobile communication network,  
4 comprising the steps of:

5           upon receiving a system parameter message being broadcast by the private mobile  
6 communication system, checking a predetermined bit for indicating the private mobile .

7 communication service area contained in the system parameter message;

8 when the mobile communication terminal exists in the private mobile communication service  
9 area, transmitting a location registration message including a predetermined registration type to the  
10 private mobile communication system;

11 receiving a message including the private mobile communication service associated  
12 command from the private mobile communication system; and

13 performing a command contained in the received message.

14 The method as set forth in claim 4, wherein the message including the private mobile communication  
15 service associated command is a feature notification message having a predetermined field used for  
16 indicating the private mobile communication service possible state.

1 6. (Original) The method as set forth in claim 5, wherein the predetermined field is a CHARi  
2 field of an IS-95 Information Records Element.

Claim 7. (Cancelled)

1 8. (Withdrawn) A method for providing a mobile communication terminal with a private  
2 mobile communication service in a private mobile communication system being interoperable with  
3 a public mobile communication network, comprising the steps of:

4 broadcasting a system parameter message with a predetermined bit indicating a private  
5 mobile communication service area to at least one mobile communication terminal residing in the

6 private mobile communication service area;

7 receiving a registration message including a predetermined registration type requesting to  
8 register in the private mobile communication system from the mobile communication terminal;

9 searching for a subscriber database of the private mobile communication system to determine  
10 whether the mobile communication terminal is registered or not, and performing a location  
11 registration of the mobile communication terminal according to registration result information of the  
12 mobile communication terminal; and

13 transmitting a message including a private mobile communication service associated  
14 command to the mobile communication terminal.

1 9. (Withdrawn) The method as set forth in claim 8, wherein the message including a private  
2 mobile communication service associated command is a feature notification message having a  
3 predetermined field used for indicating the private mobile communication service possible state.

1 10. (Withdrawn) The method as set forth in claim 9, wherein the predetermined field is a  
2 CHARi field of an IS-95 Information Records Element.

Claim 11. (Cancelled)

1 12. (Previously Presented) A method for providing a mobile communication terminal with  
2 a private mobile communication service in a private mobile communication system being

interoperable with a public mobile communication network, comprising the steps of:

broadcasting a system parameter message with a predetermined bit indicating a private mobile communication service area to at least one mobile communication terminal residing in the private mobile communication service area;

receiving a registration message including a predetermined registration type requesting to register in the private mobile communication system from the mobile communication terminal;

performing a location registration of the mobile communication terminal after receiving the registration message; and

transmitting a message including a private mobile communication service associated command to the mobile communication terminal.

13. (Currently Amended) A method for providing a mobile communication terminal with a private mobile communication service in a private mobile communication system being interoperable with a public mobile communication network, comprising the steps of:

broadcasting a system parameter message with a predetermined bit indicating a private mobile communication service area to at least one mobile communication terminal residing in the private mobile communication service area;

receiving a registration message including a predetermined registration type requesting to register in the private mobile communication system from the mobile communication terminal;

performing a location registration of the mobile communication terminal after receiving the registration message; and

11        transmitting a message including a private mobile communication service associated  
12        command to the mobile communication terminal,

13        ~~The method as set forth in claim 12,~~ wherein the message including a private mobile communication  
14        service associated command is a feature notification message having a predetermined field used for  
15        indicating the private mobile communication service possible state.

1            14. (Original) The method as set forth in claim 13, wherein the predetermined field is a  
2            CHARi field of an IS-95 Information Records Element.

Claim 15. (Cancelled)

1            16. (Withdrawn) A method for providing at least one mobile communication terminal with  
2            a service of a specific area of a mobile communication network when the mobile communication  
3            terminal enters the specific area of the mobile communication network, comprising the steps of:

4            broadcasting a system parameter message with a predetermined bit indicating the specific  
5            area to the mobile communication terminal residing in the mobile communication service area;

6            receiving a registration message including a predetermined registration type requesting to  
7            register in the mobile communication system from the mobile communication terminal;

8            searching for a subscriber database of the mobile communication system to determine  
9            whether the mobile communication terminal is registered or not, performing a location registration  
10          of the mobile communication terminal according to registration result information of the mobile

11 communication terminal; and  
12 transmitting a message including a specific area service associated command to the mobile  
13 communication terminal.

1 17. (Withdrawn) The method as set forth in claim 16, wherein the message including a  
2 specific area service associated command is a feature notification message having a predetermined  
3 field used for indicating the specific area service possible state.

1 18. (Withdrawn) The method as set forth in claim 17, wherein the predetermined field is a  
2 CHARi field of an IS-95 Information Records Element.

Claim 19. (Cancelled)

1 20. (Currently Amended) A method for providing a user with a service of a specific area of  
2 a mobile communication network when the mobile communication terminal enters the specific area  
3 of a mobile communication system, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the mobile communication  
5 system, checking a predetermined bit for indicating the specific area in the system parameter  
6 message by the mobile communication terminal ;

7 when the mobile communication terminal exists in the service area of the specific area,  
8 transmitting a registration message including a predetermined registration type to the mobile

9 communication system;

10 receiving a message including a specific area service associated command of a mobile  
11 communication network from the mobile communication system; and

12 performing a command contained in the received message.

Claim 21. (Cancelled)

1 22. (Currently Amended) A computer-readable medium having computer-executable  
2 instructions for performing a method for providing a user with a private mobile communication  
3 service when a mobile communication terminal enters a private mobile communication network  
4 being interoperable with a public mobile communication network, comprising:

5 upon receiving a system parameter message being broadcast by the private mobile  
6 communication system, checking a predetermined bit for indicating the private mobile  
7 communication service area contained in the system parameter message by the mobile  
8 communication terminal ;

9 when the mobile communication terminal exists in the private mobile communication service  
10 area, transmitting a location registration message including a predetermined registration type to the  
11 private mobile communication system;

12 receiving a message including a private mobile communication service associated command  
13 from the private mobile communication system according to registration result information of the  
14 private mobile communication system; and

15 performing a command contained in the received message.

1 23. (Currently Amended) A computer-readable medium having computer-executable  
2 instructions for performing a method for providing a user with a private mobile communication  
3 service when a mobile communication terminal enters a private mobile communication network  
4 being interoperable with a public mobile communication network, comprising:

5 upon receiving a system parameter message being broadcast by the private mobile  
6 communication system, checking a predetermined bit for indicating the private mobile  
7 communication service area contained in the system parameter message;

8 when the mobile communication terminal exists in the private mobile communication service  
9 area, transmitting a location registration message including a predetermined registration type to the  
10 private mobile communication system;

11 receiving a message including a private mobile communication service associated command  
12 from the private mobile communication system according to registration result information of the  
13 private mobile communication system; and

14 performing a command contained in the received message.

15 ~~The computer-readable medium of claim 22,~~ wherein the message including a private mobile  
16 communication service associated command is a feature notification message including a  
17 predetermined field used for indicating the private mobile communication service possible state.

Claim 24. (Cancelled)

1           25. (Previously Presented) The method as set forth in claim 1, wherein the command allows  
2           the mobile communication terminal to perform a manner mode conversion function.

1           26. (Previously Presented) The method as set forth in claim 4, wherein the command enables  
2           the mobile communication terminal to perform a manner mode conversion function.

1           27. (Withdrawn) The method as set forth in claim 8, wherein the command enables the  
2           mobile communication terminal to perform a manner mode conversion function.

1           28. (Previously Presented) The method as set forth in claim 12, wherein the command allows  
2           the mobile communication terminal to perform a manner mode conversion function.

1           29. (Withdrawn) The method as set forth in claim 16, wherein the command enables the  
2           mobile communication terminal to perform a manner mode conversion function.

1           30. (Previously Presented) The method as set forth in claim 20, wherein the command  
2           enables the mobile communication terminal to perform a manner mode conversion function.

Claims 31-32. (Cancelled)

1           33. (Currently Amended) A method for providing a user with a private mobile

2 communication service when a mobile communication terminal enters a private mobile  
3 communication network, comprising the steps of:

4       upon receiving a system parameter message being broadcasting by the private mobile  
5 communication system, checking , by the mobile communication terminal, a predetermined bit for  
6 indicating the private mobile communication service area contained in the system parameter  
7 message, and determining , by the mobile communication terminal, whether the mobile  
8 communication terminal exists in the private mobile communication service area;

9       when the mobile communication terminal exists in the private mobile communication service  
10 area, transmitting a location registration message including a predetermined registration type to the  
11 private mobile communication system;

12       receiving a message indicating a private mobile communication associated command from  
13 the private mobile communication system; and

14       performing a command contained in the received message.